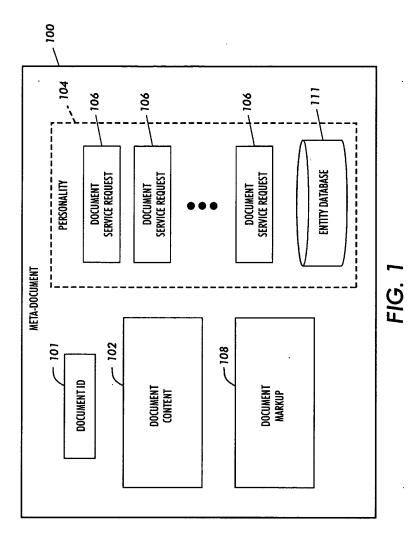
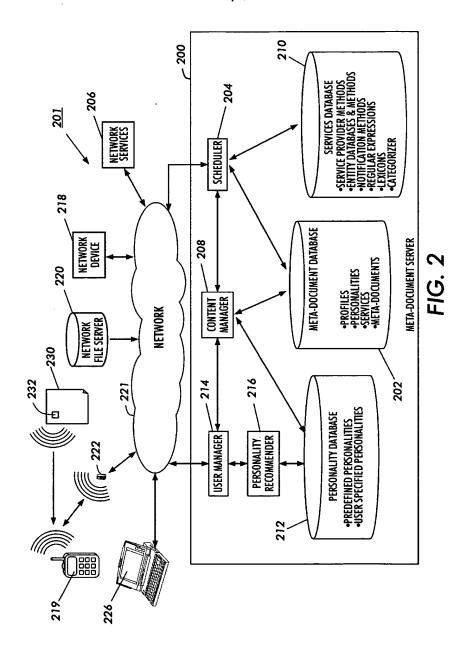
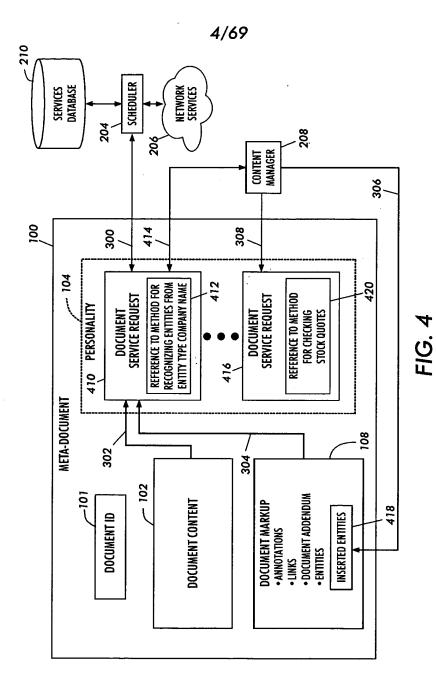
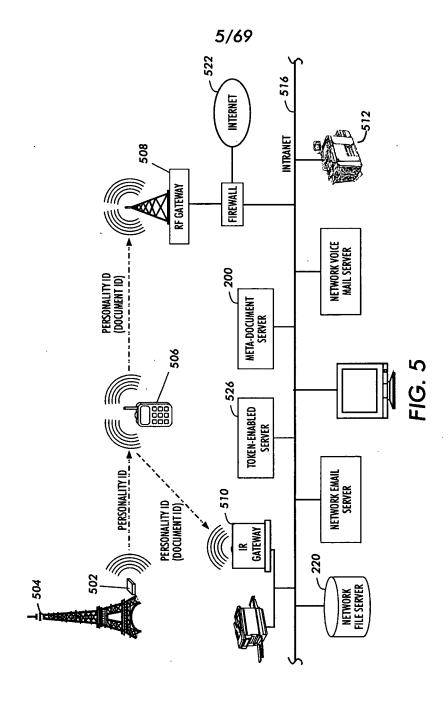
Figures

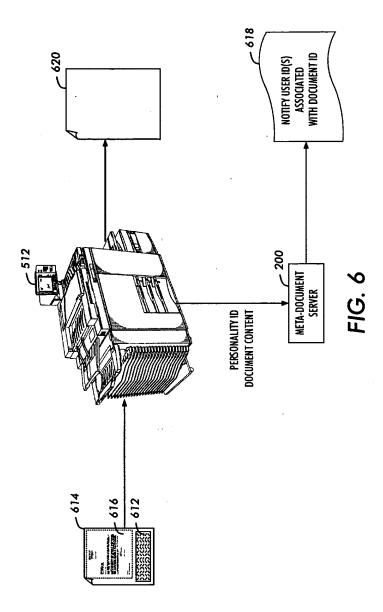
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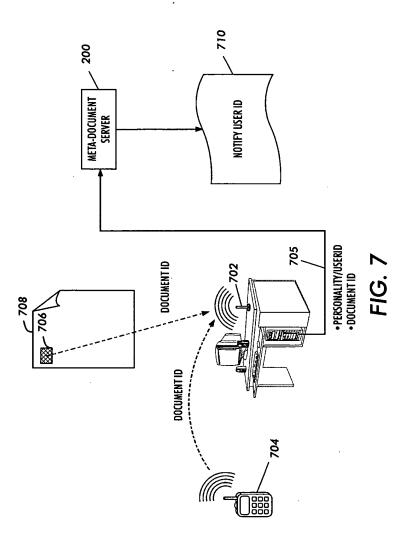












PRINT PRINT	? X
PRINTER MAME: STATUS: IDLE TYPE: XEROX 4517 POSTSCRIPT LEVEL 2 WHERE TIMES.GRENOBLE XRCE XEROX.CO COMMENT: XEROX N2125 B&W DUPLEX - LE C	M:PASSTHRU PRINT TO FILE
PAGE RANGE ALL CURRENT PAGE SELECTION PAGES: ENTER PAGE NUMBERS AND/OR PAGE RANGES SEPERATED BY COMMAS. FOR EXAMPLE 1,3,5-12 804	COPIES NUMBER OF COPIES: TO SEE COLLATE 806
ENRICHMENT PERSONALITY: BUSINESS APPLY ENRICHMENT TO: APPLY ENRICHMENT TO: APPLY ENRICHMENT PAGE PAGES:	O SELECT A PERSONALITY FOR ME INSERT ENRICHMENT AS: © LINKS O CONTENT OPTIONS
808 PRINT WHAT: DOCUMENT	
	800

FIG. 8

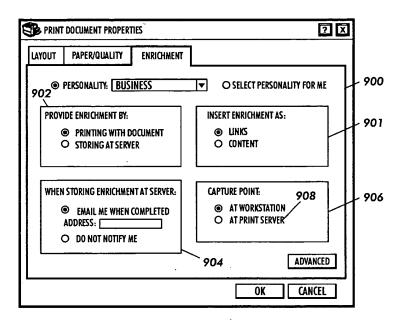


FIG. 9

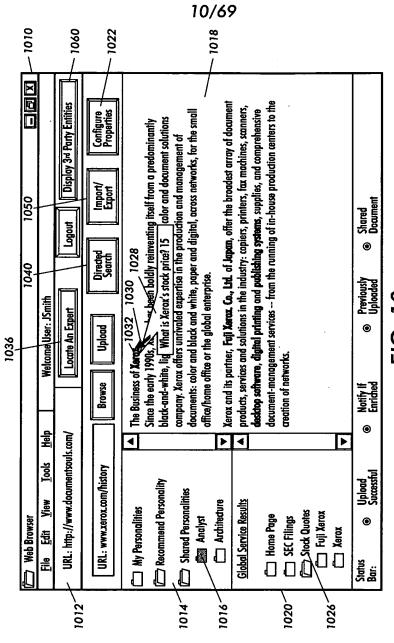


FIG. 10

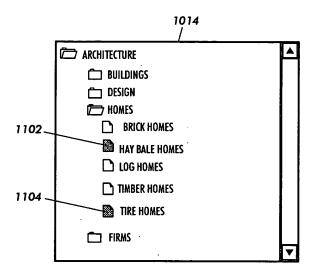


FIG. 11

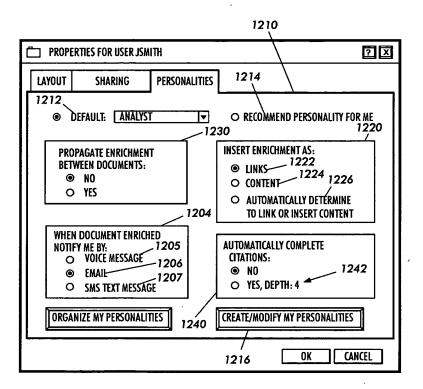
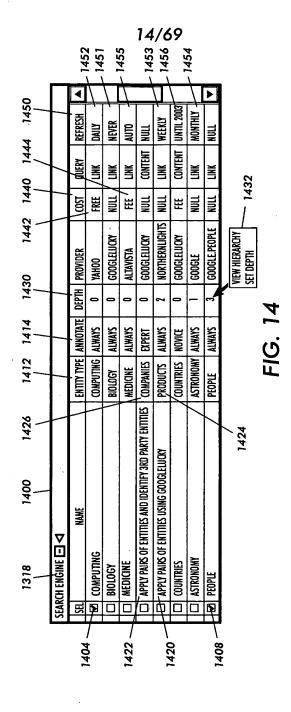


FIG. 12

13/69

FIG. 13



	1 502 /
CRE	ATE/MODIFY MY PERSONALITIES
NAA	AE: BROWSE 1504
•	CREATE/MODIFY A GROUP OF EXISTING PERSONALITIES 1506
0	USE SELECTED DOCUMENTS AND/OR FOLDERS TO CREATE A NEW PERSONALITY BROWSE 1509 1508
0	USE SELECTED FILE/WEBSITE TO CREATE A NEW PERSONALITY BROWSE 15 10
0	CREATE QUESTION FORM USING PERSONALITY LEXICONS QUESTION: 1520
	KNOWLEDGE ® NOVICE LEVEL: O EXPERT 1512 OK CANCEL

FIG. 15

1600	٠
CREATE/MODIFY A GROUP OF EXISTING PERSONALITIES	X
NAME: TECHNOLOGY WATCH IN ORGANIC CHEMISTRY	
OPERATION:	
MERGE	
O SUBTRACT 1604	
PERSONALITY A 🔻	
WITH/FROM	
PERSONALITY B 🔻	
OK CANCEL	

FIG. 16

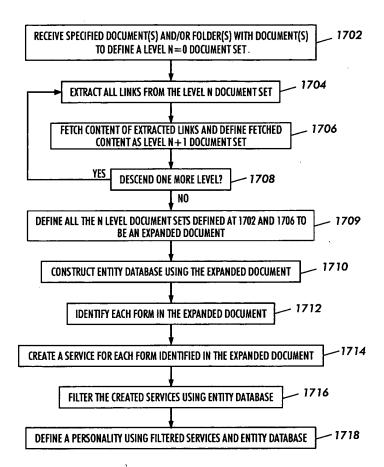
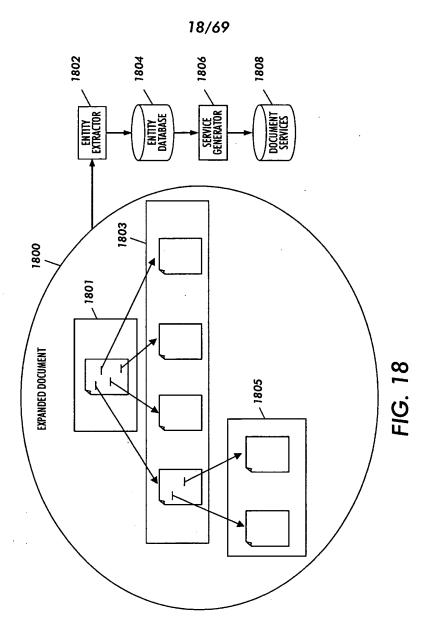


FIG. 17



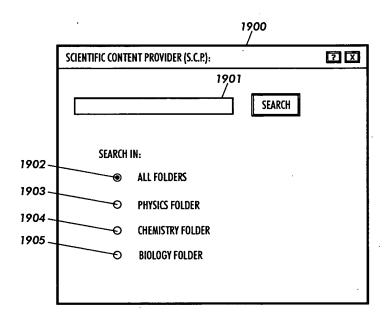


FIG. 19

∞	Ē	SCIENTIFIC SEARCH 🗖 ◀								
Ë	SEL	NAME	ENTITY TYPE ANNOTATE DEPTH	ANNOTATE	HLLAGO	PROVIDER	LSOO	QUERY	REFRESH	▼
	Ð	ALL FOLDERS RESULT OF SCIENTIFIC CONTENT PROVIDER STANDARD ALWAYS	STANDARD	ALWAYS	0	S.C.P.	FREE	CONTENT	NOLL	
		PHYSICS RESULT OF SCIENTIFIC CONTENT PROVIDER	PHYSICS	ALWAYS	0	S.C.P.	FREE	CONTENT	NULL	
		CHEMISTRY RESULT OF SCIENTIFIC CONTENT PROVIDER	CHEMISTRY	ALWAYS	0	S.C.P.	FREE	CONTENT NULL	TION	
		BIOLOGY RESULT OF SCIENTIFIC CONTENT PROVIDER	BIOLOGY	ALWAYS	0	S.C.P.	FREE	CONTENT NULL	TIAN	D
		2002	/ 2004							

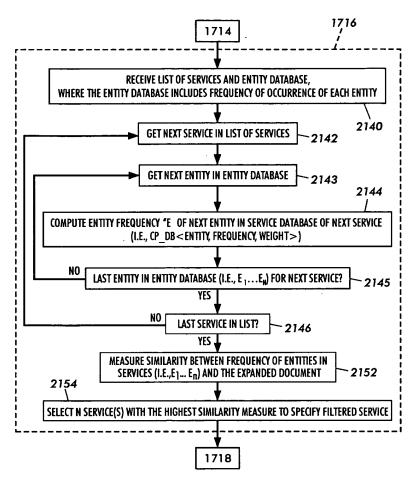


FIG. 21

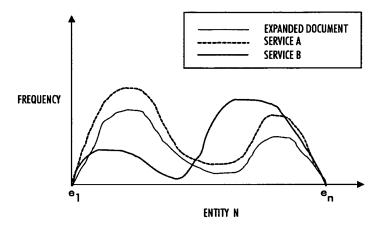


FIG. 22

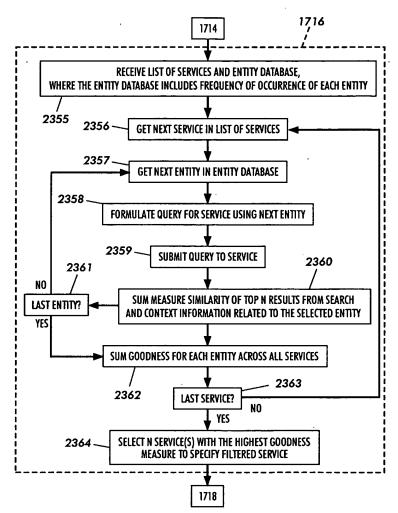


FIG. 23

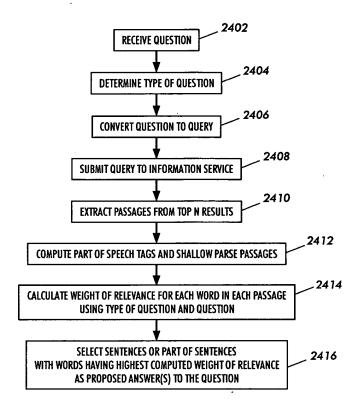


FIG. 24

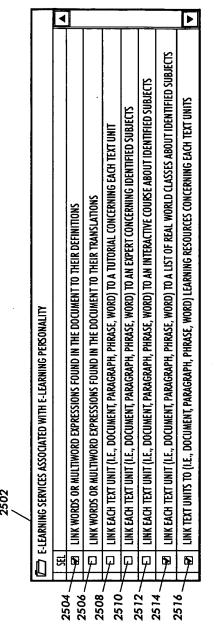


FIG. 25

FIG. 26

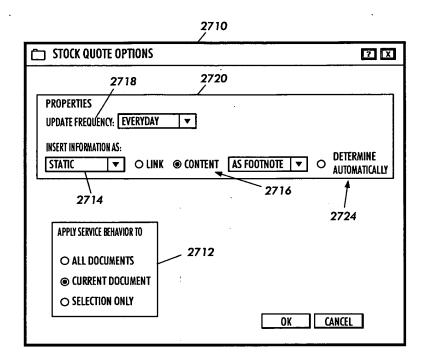
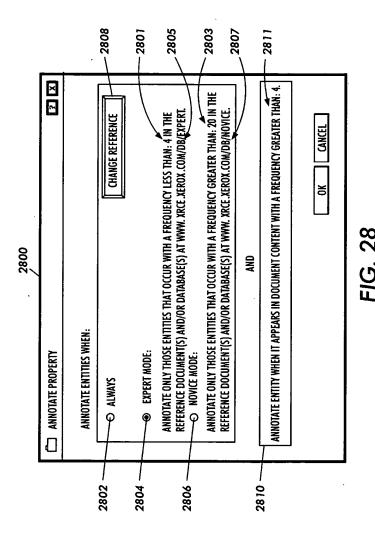


FIG. 27



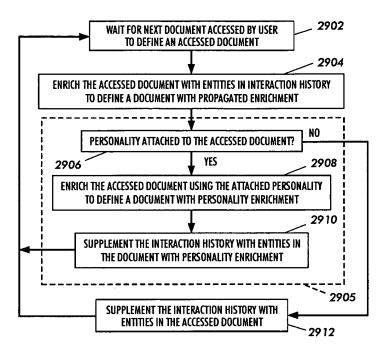


FIG. 29

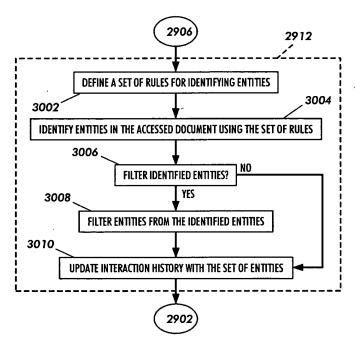
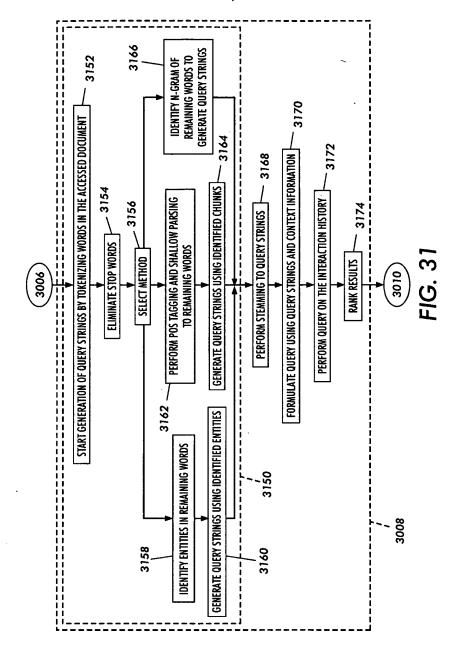
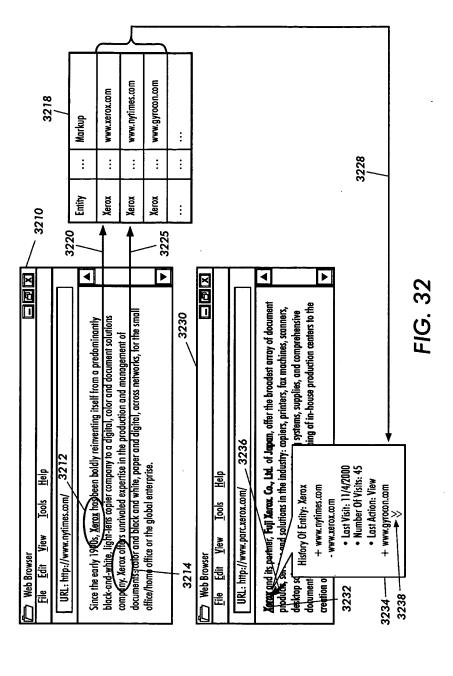


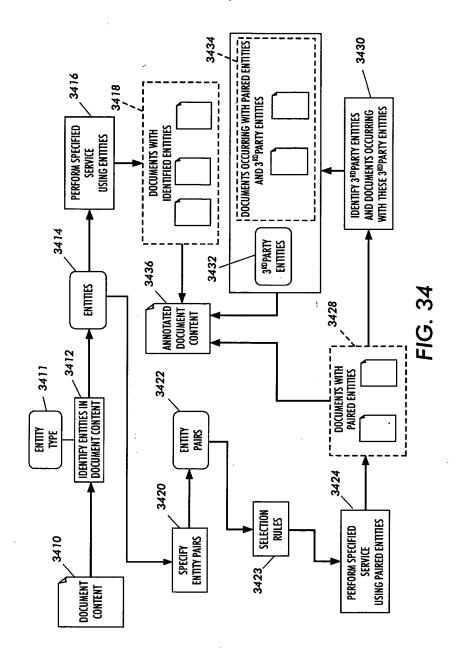
FIG. 30

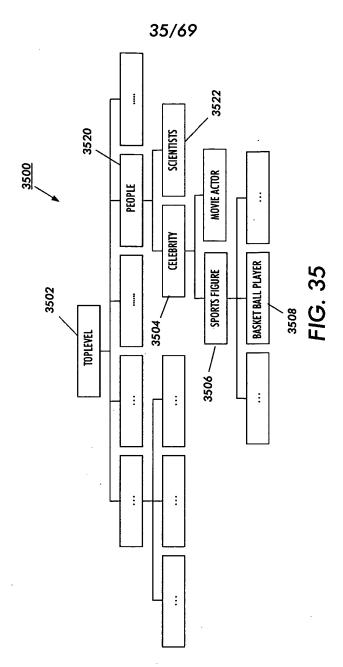


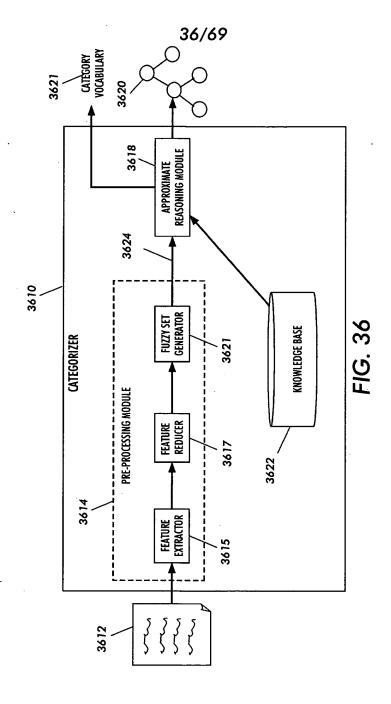


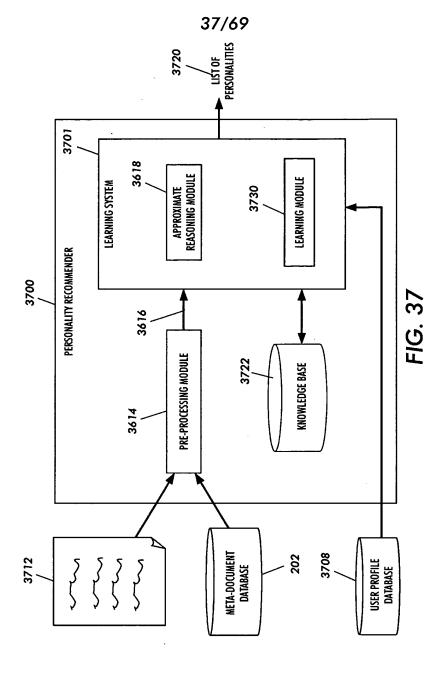
					/			
ENTITY	ENTITY ENTITY TYPE VISITS LAST VISIT ACTION LIST	SIISIA	LAST VISIT	ACTION LIST	DM0Z CATEGORY	LOCATION POS	POS	MARKUP
XEROX	BUSINESS	45	11/4/2000	VIEW (43), PRINT(2)	BUSINESS	40	NOON	NOUN WWW.XEROX.COM
XEROX	BUSINESS	1	5/1/2001	VIEW(1)	FINANCE	689	NOON	WWW.NYTIMES.COM
XEROX	BUSINESS	4	2/22/2001	EMAIL(1), VIEW(3)	COMPUTER 343	343	NOUN	NOUN WWW.GYROCON.COM
:	•	•••						

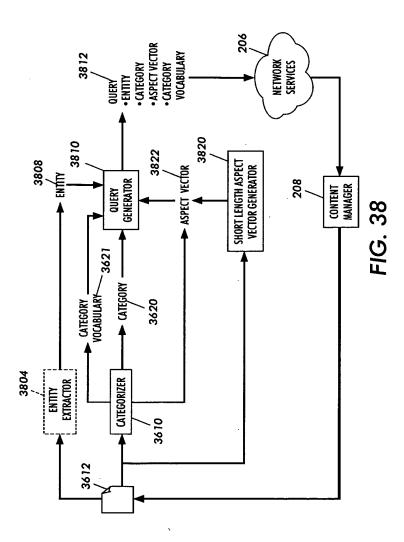
FIG. 33

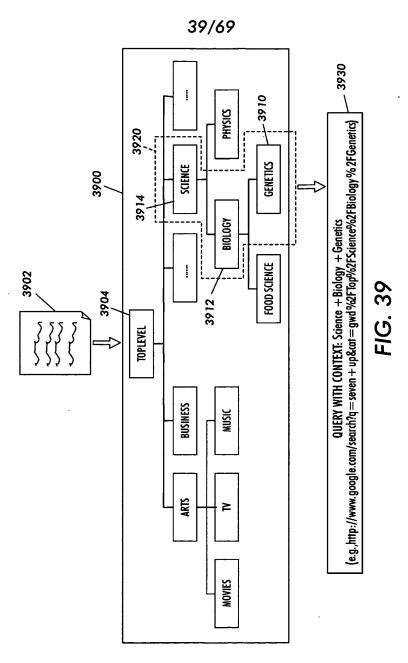


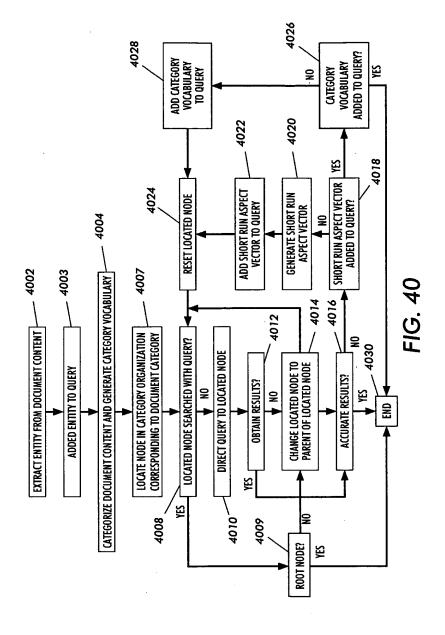


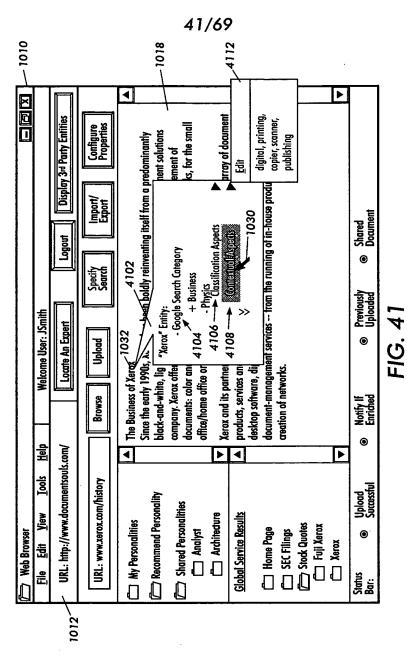


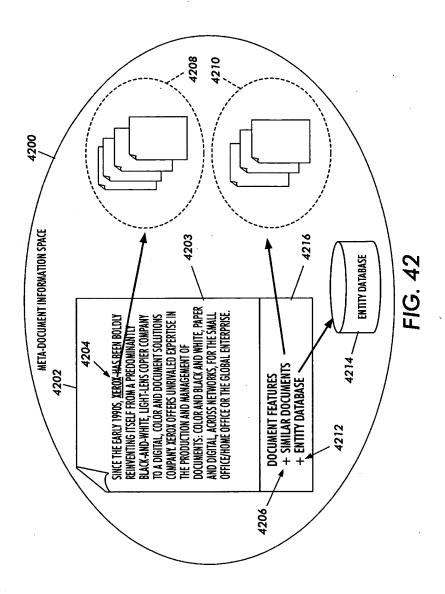


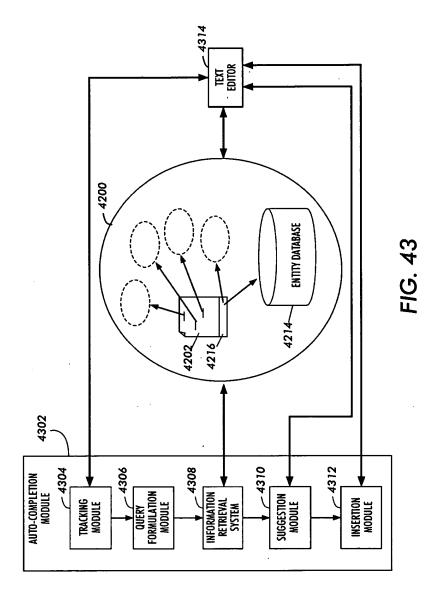


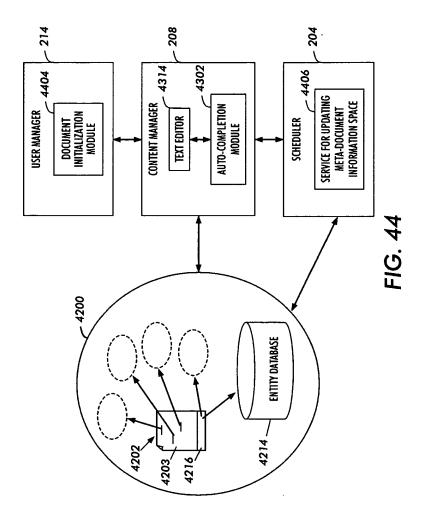


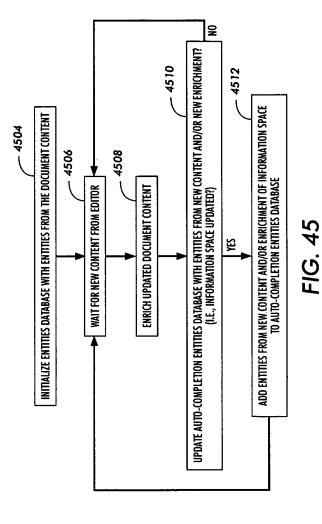












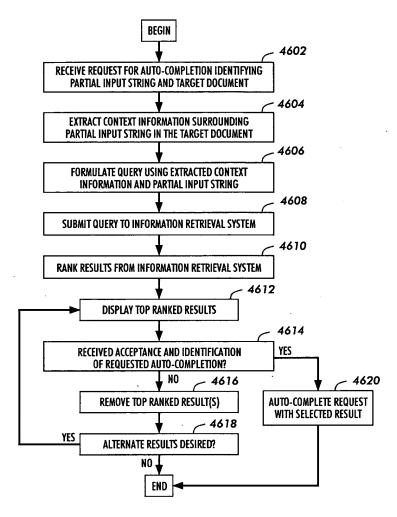
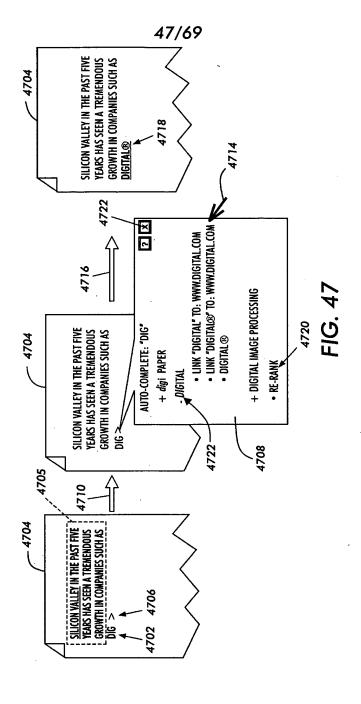
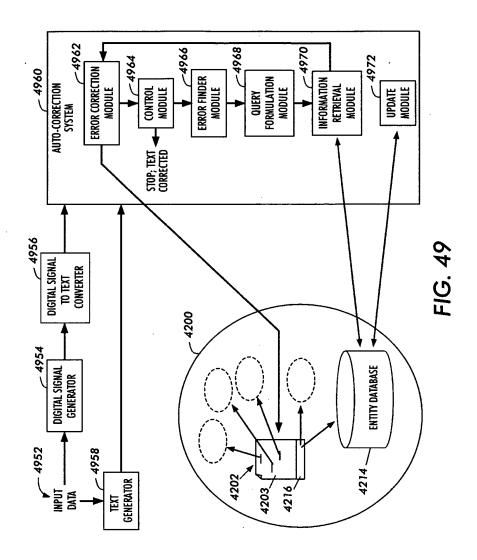


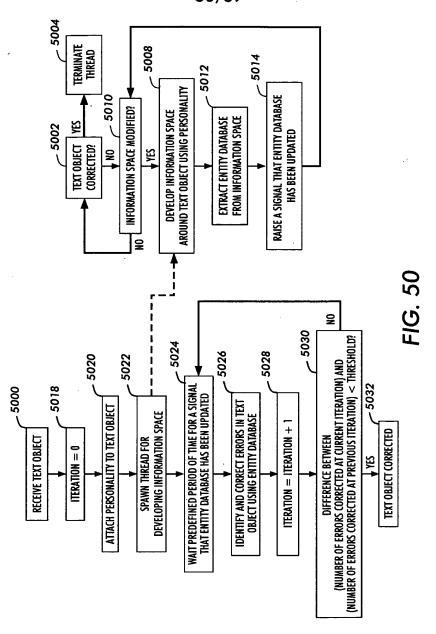
FIG. 46



(A)	(B) ENTITY	(C) MARKUP	(D) FORMAT	(E) ORIGIN	(F) ORIGIN POSITION	(G) PART OF SPEECH	(F) ORIGIN (G) PART OF (H) CONTEXT POSITION SPEECH
ilis	Silicon Valley	www.siliconvalley.com	Capitalize	TARGET DOCUMENT CONTENT	_	Noun	Science
Dig	Digital	www.digital.com	®	www.digital.com	434	Adjective	Science
Dig	DigiPaper	NONE	Bold	www.parc.xerox.com	23	Noun	Science
Dig	digress	NONE	NONE	www.nytimes.com	343	Verb	Politics
:	:		:	•	:	•	•

FIG. 48





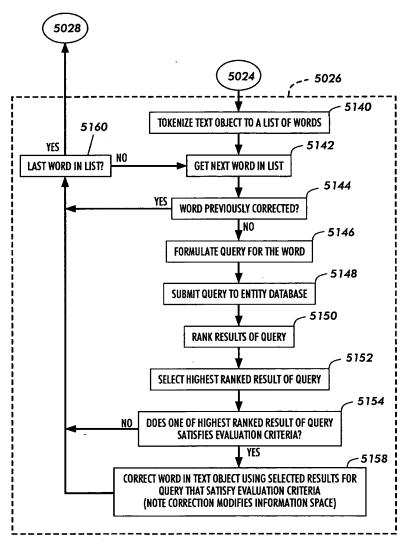
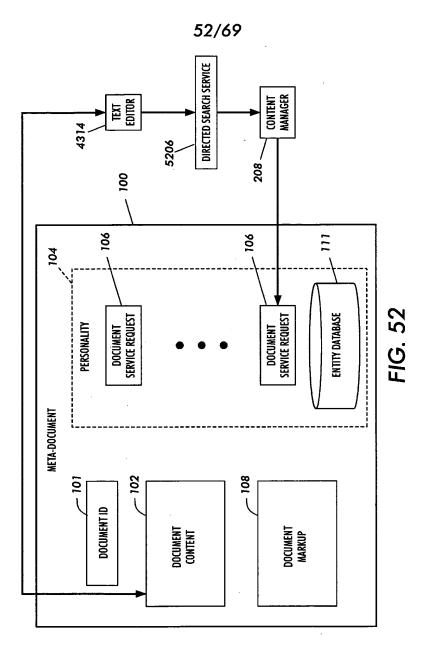


FIG. 51



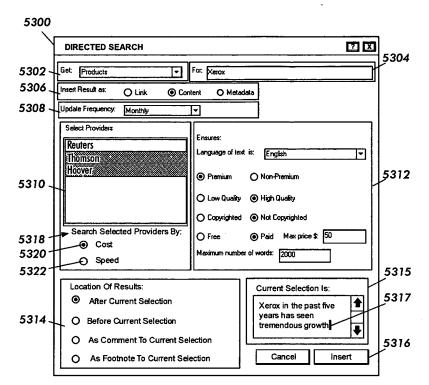


FIG. 53

quality='Premium&High&Not-copyrighted&paid' cprovider name='Thomson' id=18>/provider> cprovider name='Reuters' id=19>/provider> <offsets>13 18 456 461 710 715</offsets> insert='Content' maxwords='2000' search='cost'> language='En' maxprice='50' <service id='Products'</pre> refresh=30 <entity>Xerox </entity> </service>

5400

FIG. 54

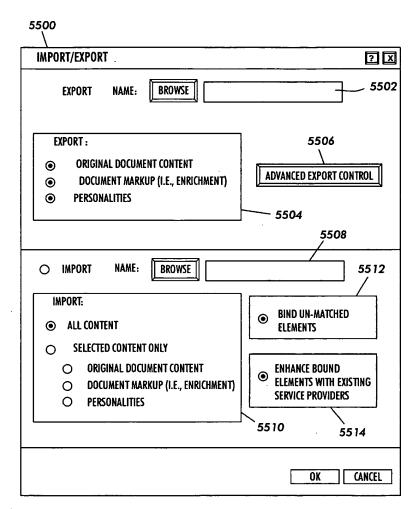


FIG. 55

```
<docsouls:originaldoc format="HTML">toto.html</docsouls:originaldoc>
<docsouls:browsingdoc format="HTML">browse.html</docsouls:browsingdoc>
                              <docsouls:serverid> DS v1.0 server name </docsouls:serverid>
                                                                                                                                                                                                                                                                                                                                                                                             <!- LIST OF PERSONALITIES AND DOCUMENT SERVICE REQUESTS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <docsouls:personality id = " " name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <docsouls:service id="" name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <docsouls:provider name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <docsouls:provider name="" etc.>
                                                                                                      <docsouls:docid> xxx </docsouls:docid>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <docsouls:service id="" name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <docsouls:provider name="" etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <docsouls:provider name="" etc.>
                                                                                                                                       <docsouls:name> xxx </docsouls:name>
                                                                                                                                                                                                                                                   <!-- ORIGINAL DOCUMENTS DOCUMENT CONTENT>
                                                                                                                                                                             <docsouls:owner> xxx </docsouls:owner>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <!-- LIST OF SERVICE REQUESTS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             </docsouls:endowmentdescription>
                                                             <!- PROPERTIES OF DOCUMENT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <!-- LIST OF PERSONALITIES>
                                                                                                                                                                                                                                                                                                                                                                                                                                 <docsouls:endowmentdescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                </docsouls:service>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <docsouls:personality>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        </docsouls:service>
<!- SERVER ID>
```

FIG. 56

```
<docsouls:servicestatus status="mapped" originalid="" originalserver=""><!-- list ServerId if the service was not available on current server>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <!-- list all fields (e.g., "refresh period", category, etc.)>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <!-- list status of services (original, frozen, mapped, etc.)>
                                                                                                                  <!-- all the fields AND service categories>
                                                                                                                                                           <docsouls:servicecategory id="" name = "">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <docsouls:serverid>id</docsouls:serverid>
                                                                                                                                                                                                                                                                                                                                                                                                             <!- DESCRIPTION OF DOCUMENT SERVICE REQUESTS>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <docsouls:provider id="" name = "">
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <!- NEXT SERVICE REQUESTS DESCRIPTION>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <docsouls:id> xx </docsouls:id>
                                                                            <docsouls:id> xx </docsouls:id>
                                                                                                                                                                                                 </docsouls: personalitydescription>
<!- DESCRIPTIONS OF PERSONALITIES>
                                      <docsouls:personalitydescription>
                                                                                                                                                                                                                                                                                        <!- NEXT PERSONALITY DESCRIPTION>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    </docsouls:servicedescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <!-- list all strategies>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <!-- list all providers>
                                                                                                                                                                                                                                                                                                                                                                                                                                                         <docsouls:servicedescription>
```

FIG. 57

```
<!- OTHER RESULTS (E.G. KEYWORDS, CATEGORIES, ETC. >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <docsouls:content> xxx </docsouls:content>
                                                                                             <!-- all the fields e.g. key, URL, etc.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <docsouls:link> xxx </docsouls:link>
                                                                                                                                                                                                                                                                                      <!-- all the fields, e.g. category>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <docsouls:globalservice id="Summary">
                                                                                                                                                                                                                                                           <docsouls:id> xx </docsouls:id>
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<!-all the fields>
                                                             <docsouls:id> xx </docsouls:id>
                                                                                                                             </docsouls: providerdescription >
                                                                                                                                                                                                                                                                                                                         </docsouls:dictionarydescription>
                                                                                                                                                                                             <!- DESCRIPTION OF DICTIONARIES>
                                                                                                                                                                                                                           <docsouls:dictionarydescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <!- RESULTS OF GLOBAL SERVICES >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    </docsouls:strategydescription>
                                <docsouls:providerdescription>
                                                                                                                                                                                                                                                                                                                                                                                                                       <docsouls:strategydescription>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <!-all the dictionaries>
<!- DESCRIPTION OF PROVIDERS>
                                                                                                                                                                                                                                                                                                                                                                                         <!- DESCRIPTION OF STRATEGY>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           </docsouls:globalservice>
```

FIG. 58A

```
<!-- LIST OF OFFSETS WHERE ENTITY IS FOUND IN TEXT RELATIVE TO SECTION >
<docsouls:offsets start=35 end=40 />
<!- (OPTIONAL) DESCRIPTION OF ENRICHMENT PERFORMED AT OTHER DOCUMENT ENRICHMENT</p>
                                                                                                                  <docsouls:personalitydescription>...</docsouls: personalitydescription>
<docsouls:servicedescription>...</docsouls:servicedescription>
                                                                                                                                                                                                                                                                                  <!- IDENTIFY DOCUMENT SECTION IN CASE OF MULTI-PART DOC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <docsouls:normform>Xerox</docsouls:normform>
                                                                                                                                                                                                                                                                                                                                                                                                                                            <!- STATUS OF SERVICE APPLIED ("ACTIVE" OR "FROZEN") >
                                                                                                                                                                                                                                                                                                                      <docsouls:docpart>main_frame.html</docsouls:docpart>
<!- OFFSET WHEN ENRICHMENT APPLIES TO A SECTION>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <docsouls:content> xxx </docsouls:content></docsouls:entity>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <docsouls:service id="StockQuote" status="active">>
                                                                                                                                                                                                                                           <!- (OPTIONAL) LIST OF RESULTS OF THE LAST ENRICHMENT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <docsouls:strat> xxx </docsouls:strat>
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                                                                           <docsouls:serverid>olderServerId</docsouls:serverid>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <docsouls:link> xxx </docsouls:link>
                                                                                                                                                                                                                                                                                                                                                                                                 <docsouls:offset> 0 200 </docsouls:offset>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <!-- CONTENT INFORMATION >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                <!-- LINK INFORMATION >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               < i -- NORMALIZED FORM >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <!-- DICTIONARIES >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <!-- STRATEGIES >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <docsouls:entity>Xerox
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               </docsouls:service>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <!-- ENTITY>
                                             SYSTEMS>
```

FIG. 58B

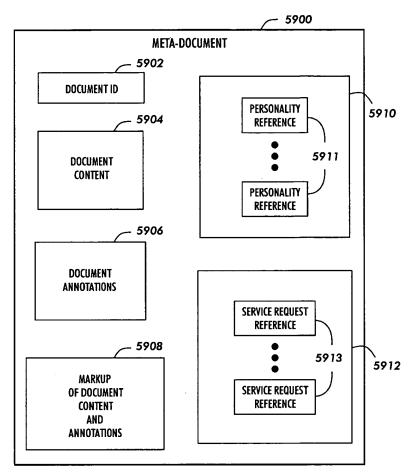


FIG. 59

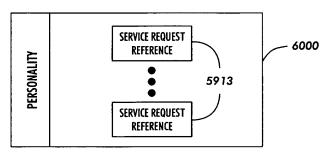


FIG. 60

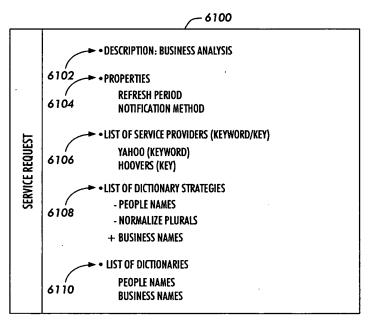
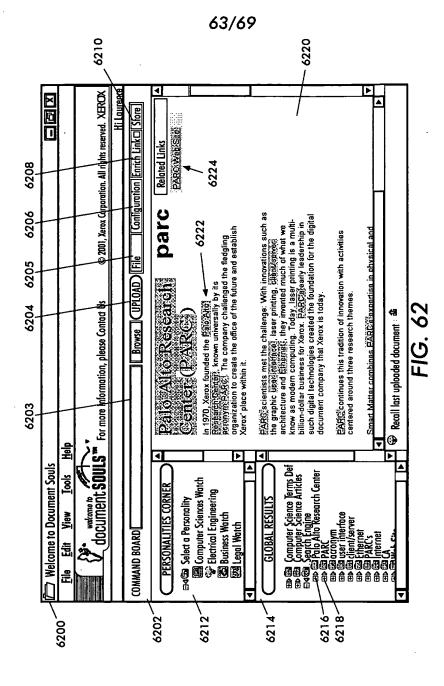


FIG. 61



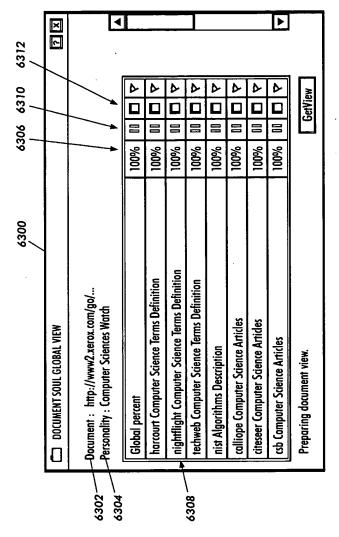


FIG. 63

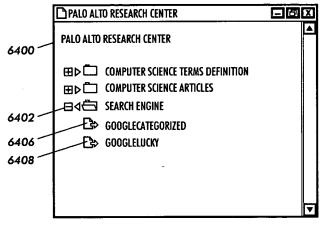


FIG. 64

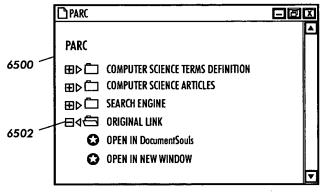
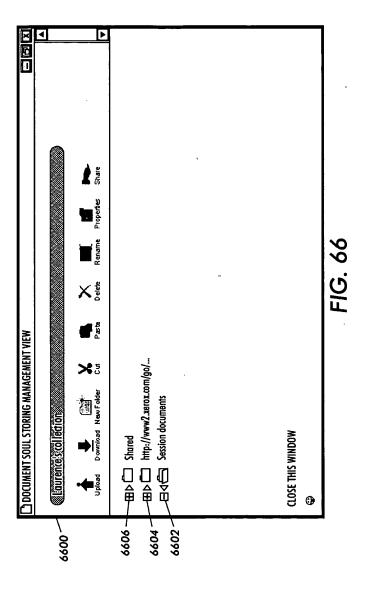
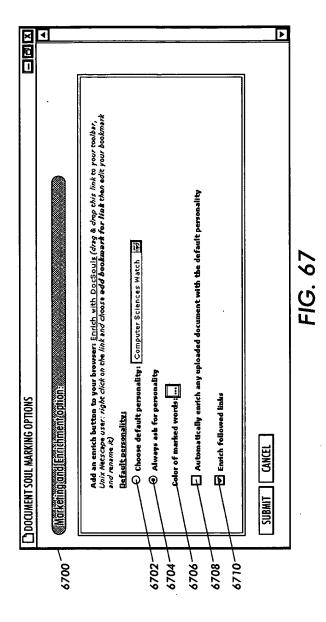


FIG. 65





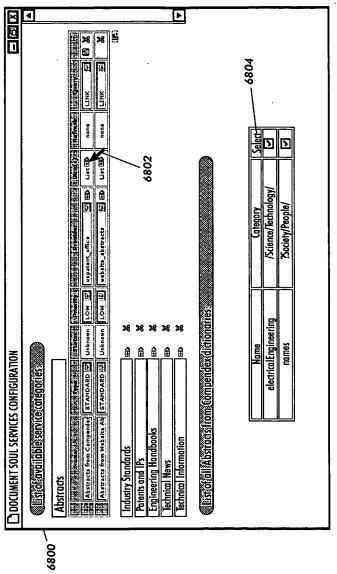


FIG. 68